

## SECTION 1: Identification of the substance/preparation and of the company/undertaking

### Identification of the Product

Product name : Magnesium Sulphate Heptahydrate  
EC-No. : 231-298-2  
CAS-No. : 10034-99-8  
Formula :  $MgSO_4 \cdot 7H_2O$

### Use of the Product/Preparation

Relevant identified uses

Use of the Product: Laboratory Chemicals, Manufacture of substances

### Details of the supplier of the safety data sheet

PHINE KEMIKALS INDIA

Plot No. 1/2/3/90/P3A, G.I.D.C. Industrial Estate, Godhra, Gujarat 389002  
INDIA

T +919824063593

info@phinekem.in, [www.phinekem.in](http://www.phinekem.in)

### Emergency telephone number

Emergency number : + 919023930031 (24 hrs)

## SECTION 2: Hazards identification

### Classification of the substance or mixture

Not Classified

### Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

## SECTION 3: Composition/information on ingredients

### Substances

Name : MAGNESIUM SULPHATE HEPTAHYDRATE

CAS-No. : 10034-99-8

EC-No. : 231-298-2

### Mixtures

Not applicable

## SECTION 4: First aid measures

### Description of first aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

Skin Contact: Wash skin with plenty of water. If skin irritation occurs: Seek medical attention.

Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth out with water. If you feel unwell, seek medical advice. Call a poison centre or a doctor if you feel unwell.

### SECTION 5: Firefighting measures

Suitable extinguishing media:  
Water spray. Dry Powder. Foam.

Special Hazard arising from the substance or mixture:  
Toxic fumes maybe released.

Protection during firefighting:  
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection."

Avoid release to the environment.

Mechanically recover the product. Clear up rapidly by scoop or vacuum. Dispose of materials or solid residues at an authorized site.

### SECTION 7: Handling and storage

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Store in original container. Keep container tightly closed. Store in a dry place. Store in a well-ventilated place. Keep

### SECTION 8: Exposure controls/personal protection

cool.

Ensure good ventilation of the work station.

Eye Protection: Chemical goggles or safety glasses.

Skin Protection: Protective gloves

Respiratory Protection: Wear appropriate mask

Environmental exposure controls: Avoid release to the environment.

### SECTION 9: Physical and chemical properties

Physical state : Solid

Appearance : Crystalline powder or crystals.

Molecular mass : 246.47 g/mol

Colour : Colourless or white.

Odour : Odourless.

Odour threshold : No data available

pH : 5 – 9.2

pH solution concentration : 5 %

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 150 °C (decomposes)

Freezing point : Not applicable

Boiling point : No data available

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : > 150 °C

Flammability (solid, gas) : Non flammable.

Vapour pressure : 0.133 hPa at 20°C

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 1.68 g/cm<sup>3</sup> at 20°C

Solubility : Water: 710 g/l at 20°C - completely soluble

Partition coefficient n-octanol/water (Log Pow) : No data available

Viscosity, kinematic : Not applicable

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : Not applicable

## SECTION 10: Stability and reactivity

The product is non-reactive under normal conditions of use, storage and transport. It is stable under normal conditions. No dangerous reactions known under normal conditions of use. Avoid direct sunlight, air contact and moisture.

## SECTION 11: Toxicological information

### Information on toxicological effects

**Acute Toxicity:** Not classified.

**Skin Corrosion/Irritation:** Not classified (pH 5-9.2).

**Serious Eye Damage/Irritation:** Not classified (pH 5-9.2).

**Respiratory or Skin Sensitization:** Not classified.

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive Toxicity:** Not classified.

**STOT-Single Exposure:** Not classified

**STOT-Repeated Exposure:** Not classified.

**Aspiration Hazard:** Not classified.

## SECTION 12: Ecological information

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

## SECTION 13: Disposal considerations

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

Not subject to transport regulation

#### SECTION 15: Regulatory information

Labeling according to EC Directives:

Symbol: --

R-phrases: --

S-phrases: --

#### SECTION 16: Other information

***Regional representation:***

India: given in Chapter 1 (company identification)

**Disclaimer:**

This Safety Data Sheet (SDS) information is based on our current knowledge and is intended to describe the product for health, safety, and environmental purposes only. It should not be interpreted as a guarantee of any specific product property.